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Category Name: Skidmore, Owings, & Merrill LLP
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Room Location: SOM
Cabinet Location: 102
Notes:

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WTCI-6-SOM

November 4, 1988

Mr. Manuel Fernandez
Salomon Brothers Inc.
Two New York Plaza
New York, New York 10004

X

Re: SBI @ 7WTC
F+K Reference No. 88.22440.00
Standby Generators

Dear Manuel:

Attached is a revised basic sketch SK-Gen-5 showing the agreed upon standby generator configuration and location as determined at our weekly meeting on November 3, 1988.

I am sending this and other pertinent information to Syska & Hennessy, together with an answer to their letter of October 12, 1988. I will ask for a timely agreement from Syska & Hennessy for this configuration. As details of the actual design develop, I will keep them continually informed.

Yours truly,

FLACK + KURTZ Consulting Engineers

Jack Beech, P.E.
Principal

JB/ksp

cc: R. White - SBI
R. Pavesi - M/D
A. Miller - SPI
W. Mathison - SOM
V. Campanella - F+K
D. Daniels - F+K

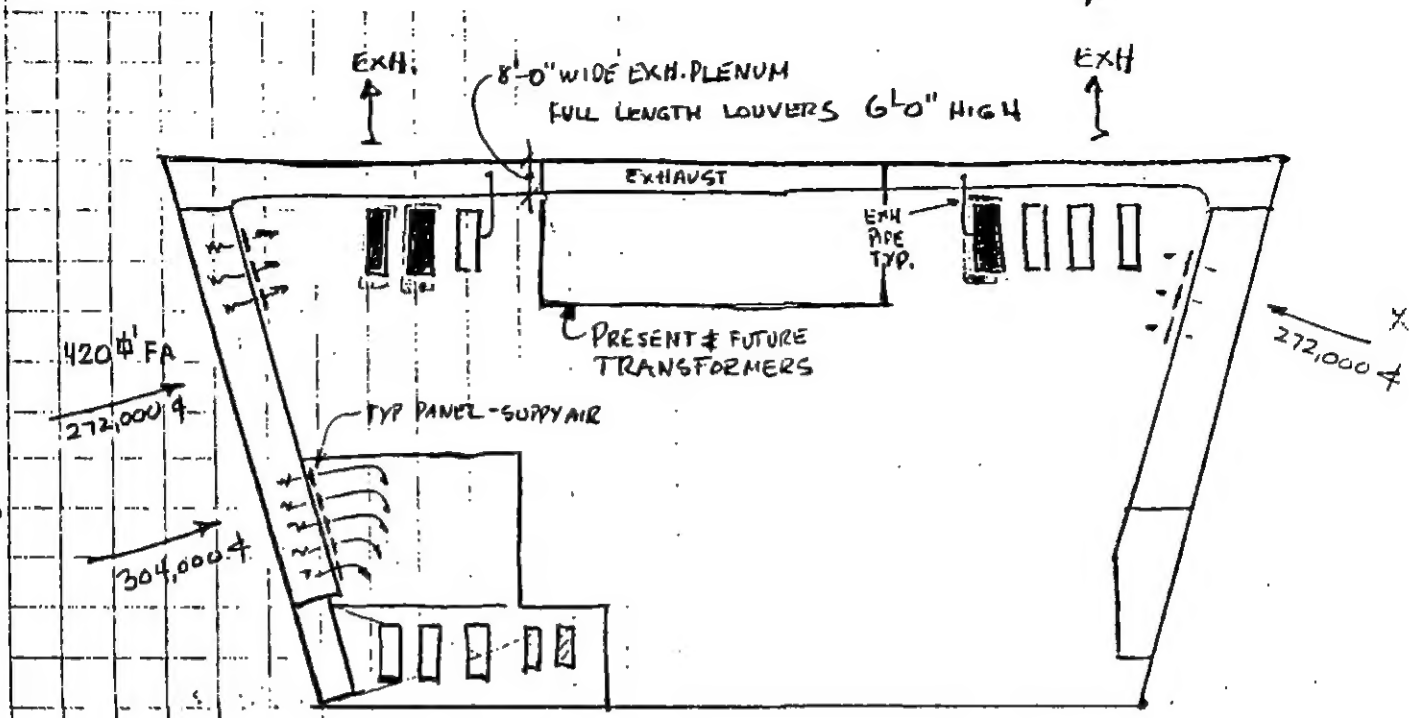
RECE - SOM - NY

1988

Building SB1 @ 7WTC Project No. ____

Subject STANDBY GENERATORS 5TH FL 1400 KW Date 11-4-88

Sheet No. 1 of 1 ~~Computed by~~ SK-GEN-5 Checked by ____



1995 7 GENERATORS

[redacted] 3 GENERATORS

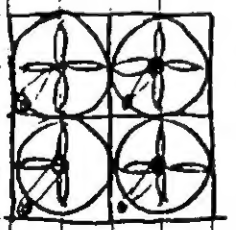
10 GEN. TOTAL

$$\frac{272{,}000 + 304{,}000}{420 \pm FA} = 1371\ ^{1}/_{min} > 1000\ ^{1}/_{min}\ \text{NOMINAL}$$

EST. ΔP INCREASE FROM .10 TO .20 "H_2O

PRESENT & PLANNED OPENING FROM PLENUM - 8'-0" x 8'-0"

EQUIP W/ PROP FANS RATED @ .50" P.D. (CONNECT TO STDBY GENERATORS)



48" PROP FAN (4 PER OPNG)

GREENHECK SPN-48 (EXAMP.)

29,000 ± @ .5" H_2O 8.25 BHP (INCL .15" SHUTTER PRESS.)

4 x 8.25 = 33 BHP/PANEL

4 x 29,000 = 116,000 CFM/PANEL - SUPPLY AIR (MAXIMUM)

(TYPICAL FOR MAXIMUM OF 11)

sign
lculations

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